iSimple®

Expand Your Factory Radio

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TOYOTA / LEXUS / SCION

Owner's Manual
Media GateWay
PXAMG

PGHTY1

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Media GateWay & Optional Add-ons

Factory Radio
Not Included

Media GateWay Harness
Part #: PGHTY1

NOTES

* **The Media GateWay will only support 2 inputs.**

* **CD Changer mode does not support aftermarket Satellite Radio, HD Radio or the ISBT21.**

Media GateWay
Part #: PXAMG

OR

HD Radio

iPod Input

OR

OR

OR

OR

Satellite Radio

ISBT21

AUX Input

1. Introduction

Thank you for purchasing the iSimple® Media GateWay. The Media GateWay is designed to provide endless hours of listening pleasure from your factory radio. To ensure that your iPod performs correctly with your radio, we recommend that you read this entire manual before attempting installation of the Media GateWay.

The iSimple Media GateWay has two modes of operation: Satellite Radio mode and CD Changer mode. Your mode of operation will be based on your radios compatibility and personal preference.

When used in Satellite Radio mode mode, the Media GateWay allows connectivity for iPod, Sirius Satellite Radio tuner (SCC1 sold seperately), Bluetooth (ISBT21 sold seperately) and the HD Radio tuner (HDRT sold separately), enabling full control of these devices from the factory installed radio.

When used in CD Changer mode, the Media GateWay allows connectivity for iPod & one Auxiliary input. HD Radio & ISBT21 Bluetooth are not supported. iPod support in this mode allows browsing of playlists only. If you are only using the Media GateWay for iPod or auxiliary input you may find this mode of operation slightly easier to use.

2. Precautions

UPDATING iPod FIRMWARE

Updating the firmware prior to installation or future firmware updates for your iPod may affect the features and functions described in this owner's manual.

PREVENTING DAMAGE TO YOUR VEHICLE OR IPOD.

To eliminate the risk of an electrical short, we recommend disconnecting the vehicle's battery prior to installation. If you do not feel comfortable making these connections, we suggest you seek professional installation. We recommend that the iPod be disconnected from the interface when the vehicle is not in use.

PROPER MOUNTING LOCATION

Securely install the interface in a location free from; heat, humidity, moving parts, sharp metal edges or direct sunlight. We recommend securing the interface to a suitable location using; double sided tape, Velcro™ or zip-ties.

3. Compatibility Notes

Please visit www.isimplesolutions.com for the most up to date application information and to verify your vehicle's compatibility.

4. Dipswitch Settings

Satellite Radio Mode

Compatible with radios that ARE equipped with an AM-SAT button but ARE NOT equipped with factory satellite radio. Allows advanced browsing of the iPod (with text support) and connectivity for SCC1, HDRT & ISBT21.

2010+ Toyota Camry With AM-SAT Button without factory satellite radio & 2010+ vehicles with navigation without factory satellite radio (may also be used when text is absent or very slow to update)

OR

All other vehicles with AM-SAT button without factory satellite radio

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CD Changer Mode

Compatible with all radios. Allows playlist browsing of the iPod and connectivity for one additional Auxiliary input.

Vehicles with factory satellite radio & vehicles without AM-SAT button

5. Installation

1. When making electrical connections it is always recommended that the vehicle's battery be disconnected from the electrical system before performing the installation.

Please Note: If the radio is equipped with a built in CD Changer, please remove ALL discs before proceeding to prevent damage to the radio's CD mechanism.

2. Carefully remove the trim panels covering the 10mm bolts that secure the radio into the dash cavity. Remove these bolts, and carefully pull the radio from the dash of the vehicle. This will provide access to the factory radio connectors where you will connect the Media GateWay harness.

3. Disconnect the factory 12-Pin harness (if present) from the back of the radio. If you are installing the Media GateWay into a vehicle with an external CD Changer and you are using CD Changer emulation mode, the CD Changer will have to be disconnected at the changer location for proper operation.

4. Connect the 8-Pin iPod docking cable into the first port on the Media GateWay (farthest away from dipswitches). Carefully run the 11 foot iPod cable behind the dash to the location where the iPod will be mounted or stored (for example the glove box or center console). This location will vary based on the vehicle, and the customer's prefrence. When running this cable through the dash be sure to secure it away from moving parts or sharp metal edges that may damage the cable.

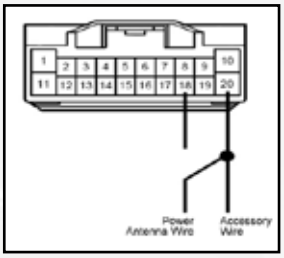
5. Connect the 8-Pin auxiliary input cable to the second port (closest to the dipswitches) on the Media GateWay if an additional auxiliary input is desired.

Steps 6, 7 & 8 apply to Satellite Radio Emulation Mode ONLY

6. If connecting the HD Radio Tuner (HDRT sold separartely), make the folllowing connections before connecting the PXAMG to the vehichle. Plug the 3 foot HD Radio Cable (8-Pin mini-din to 8-Pin mini-din) cable into the second port (closest to the dipswitches) on the Media GateWay. Connect the other end of this cable into the HD Radio tuner. Connect the factory antenna cable into the antenna connection on the HD Radio tuner (HDRT).

NOTICE:
After removing the radio, if there are two antenna leads connected into the back of the radio, your vehicle is equipped with a diversity antenna system. When connecting the HDRT follow the steps on the next page to ensure the best performance of the HD Radio Tuner. If you do not feel comfortable making these connections you will need to purchase the PGHTYHD harness (sold separately).

A. Locate factory Power antenna wire in radio's wiring harness. This wire will be in Pin location #18 (See Diagram)
B. Cut this wire about 2 inches from the back of the radio.
C. Carefully remove about ½ an inch of insulation from the wire on the VEHICLE'S side. (Not the wire connecting into the radio)
D. Locate the accessory wire Pin location # 20 (See diagram)
E. About 2 inches away from the radio carefully remove about ½ an inch of insulation from this accessory wire.
F. Connect the vehicle's side of the Power antenna wire(stripped) to the accessory wire. (solder this connection to ensure the best connection possible)
G. Insulate this new connection on the Accessory wire to prevent an electrical short



7. If connecting the Satellite Radio tuner (SCC1 sold separartely), make the folllowing connections before connecting the PXAMG to the vehicle. Plug the black end of the 3 foot PXAMGSR (8-Pin mini-din to 8-Pin mini-din; sold seperately) into the second port (closest to the dipswitches) on the Media GateWay. If you are installing the Satellite Radio Tuner with the HDRT, connect the PXAMGSR cable to the port farthest from the dipswitches. Connect the gray end of this cable into the Satellite Radio tuner.

8. If connecting the ISBT21 (sold separartely), make the folllowing connections before connecting the PXAMG to the vehichle. Plug the 3 foot ISBT21 Cable (8-Pin mini-din to 8-Pin mini-din) cable into the first port (farthest from the dipswitches) on the Media GateWay. Connect the other end of this cable into the ISBT21. Connect the microphone cable into the 3.5 mm connection on the ISBT21.

9. Plug in the male connectors on the PGHTY1 harness into the 12-pin port on the back of the radio. Next, connect the factory 12-pin harness (if present) into the female connector on the PGHTY1 harness. Be sure to make a firm connection but do not force it. Plug the Black micro-fit 24-pin connector on the PGHTY1 harness into the PXAMG Media GateWay box.

10. To complete the installation secure the Media GateWay (PXAMG) and HD Radio tuner (HDRT if equipped) into the cavity in the dash behind the radio. Be sure that the cables and interface modules are not near moving parts or sharp metal edges as they may damage the cables. To prevent rattling noises inside the dash, use zip ties, tape, or other fasteners to mount the interfaces securely.

11. With all connections made, reconnect the vehicle's battery, insert the key into the ignition, and turn the vehicle on. Check for proper operation of the Media GateWay and HD Radio tuner before reinstalling the factory dash panels.

12. Note: The first time you access the GateWay, your radio may display "DEV INIT" while the device is initializing. If this is displayed, please wait one minute then cycle the ignition off and on. Then access SAT mode again to begin normal GateWay operation.

A. Satellite Radio Emulation

This mode of emulation should only be used in vehicles that have an AM-SAT button on the face of the radio but ARE NOT equipped with factory Satellite Radio.

1. iPod Operation

Entering Mode Select Menu
Press the **"AM/SAT"** button to switch to AM then again to switch back to SAT. Turn the **TUNE KNOB** or press **"TUNE ▲"** to scroll through the available sources. Once "IPOD" is displayed, press **PRESET 3** to select the displayed mode.

Next Track
Turn the **TUNE KNOB** clockwise or press **"TUNE ▲"** to advance to the next track.

Previous Track
Turn the **TUNE KNOB** counter-clockwise or press **"TUNE ▼"** to move back to the previous track.

Fast Forward
Press **PRESET 2** repeatedly to fast forward the song that is playing.

Rewind
Press **PRESET 1** repeatedly to rewind the song that is playing.

Entering "BROWSE" Menu / Select
Press **PRESET 3** to enter the browse menu or to make a selection while in the browse menu.

Menu UP
Press **PRESET 4** to move back one step in the browse menu.

Exit Browse menu
After 10 seconds of inactivity, the browse menu will time out and return to normal operation.

Steering Wheel Controls
Press the "▲" button to advance to the next track.
Press the "▼" button to return to the previous track.

2. HD Radio Operation

Entering Mode Select Menu
Press the **"AM/SAT"** button to switch to AM then again to switch back to SAT. Turn the **TUNE KNOB** or press **"TUNE ▲"** to scroll through the available sources. Once "HD RADIO" is displayed, press **PRESET 3** to select the displayed mode.

Tune Up
Turn the **TUNE KNOB** clockwise or press **"TUNE ▲"** manually tune up.

Seek Up
Press the **SEEK>** button to seek up to next available station.

Tune Down
Turn the rotary **TUNE KNOB** counter-clockwise or press **"TUNE ▼"** to manually tune down.

Seek Down
Press the **<SEEK** button to seek down to the next available station.

Changing Bands
Press the **"AM/SAT"** button to switch between AM and FM bands.

Store Presets
Tune to the station you want to store as a preset. Press and hold the preset button on which you want to store the channel.

Recall Presets
Press the preset button that corresponds with the channel you want to recall.

Changing Display
Press the "TEXT" button to toggle between HD artist and HD title.

3. Sirius Satellite Radio Operation

Entering Mode Select Menu
Press the **"AM/SAT"** button to switch to AM then again to switch back to SAT. Turn the **TUNE KNOB** or press **"TUNE ▲"** to scroll through the available sources. Once "SIRIUS" is displayed, press **PRESET 3** to select the displayed mode.

Channel Up
Turn the rotary **TUNE KNOB** clockwise or press **"TUNE ▲"** to move up through the channels

Channel Down
Turn the rotary **TUNE KNOB** counter-clockwise or press **"TUNE ▼"** to move down through the channels

Category Up
Press the **TYPE>** button to move up through the categories.

Category Down
Press the **<TYPE** button to move down through the categories.

Store Presets
Tune to the station you want to store as a preset. Press and hold the preset button on which you want to store the channel.

Recall Presets
Press the preset button that corresponds with the channel you want to recall.

Changing Display
Press the "TEXT" button to display artist and track information

4.Selecting AUX Input

Entering Mode Select Menu
Press the **"AM/SAT"** button to switch to AM then again to switch back to SAT. Turn the **TUNE KNOB** or press **"TUNE ▲"** to scroll through the available sources. Once "AUX" is displayed, press **PRESET 3** to select the displayed mode.

B. CD Changer Emulation

This mode of emulation should only be used in vehicles that are equipped with factory satellite radio or do not have an AM-SAT button on the face of the radio.

1. iPod Operation

Selecting the Mode
Press the "CD" button to switch to CD Changer mode and access the Media GateWay. If a factory CD Changer is built into the radio, the CD button may need to be pressed twice to access the Media GateWay.

Browsing Playlists
If you wish to access playlists in a certain order they must be labeled as "PL_1,PL_2, PL_3, PL_4, PL_5 & PL_6", otherwise the Media GateWay will only select the first 6 playlists, in the order they appear, on the iPod. To access playlists simply use the "DISC ▲" or "Disc ▼" button to select the disc that corresponds with the playlist. If there are no playlists on the iPod it will automatically start playing "Playlist: All" after 3 seconds. Discs 7 & 8 are reserved for manual & auxiliary mode.

Next Track
Press "SEEK ▲" to advance to the next track.

Previous Track
Press "SEEK ▼" to move back to the previous track.

Fast Forward
Press PRESET 2 to fast forward the song that is playing. Press again to resume normal play.

Rewind
Press PRESET 1 to rewind the song that is playing. Press again to resume normal play.

Random
Press the random button to start/stop random play

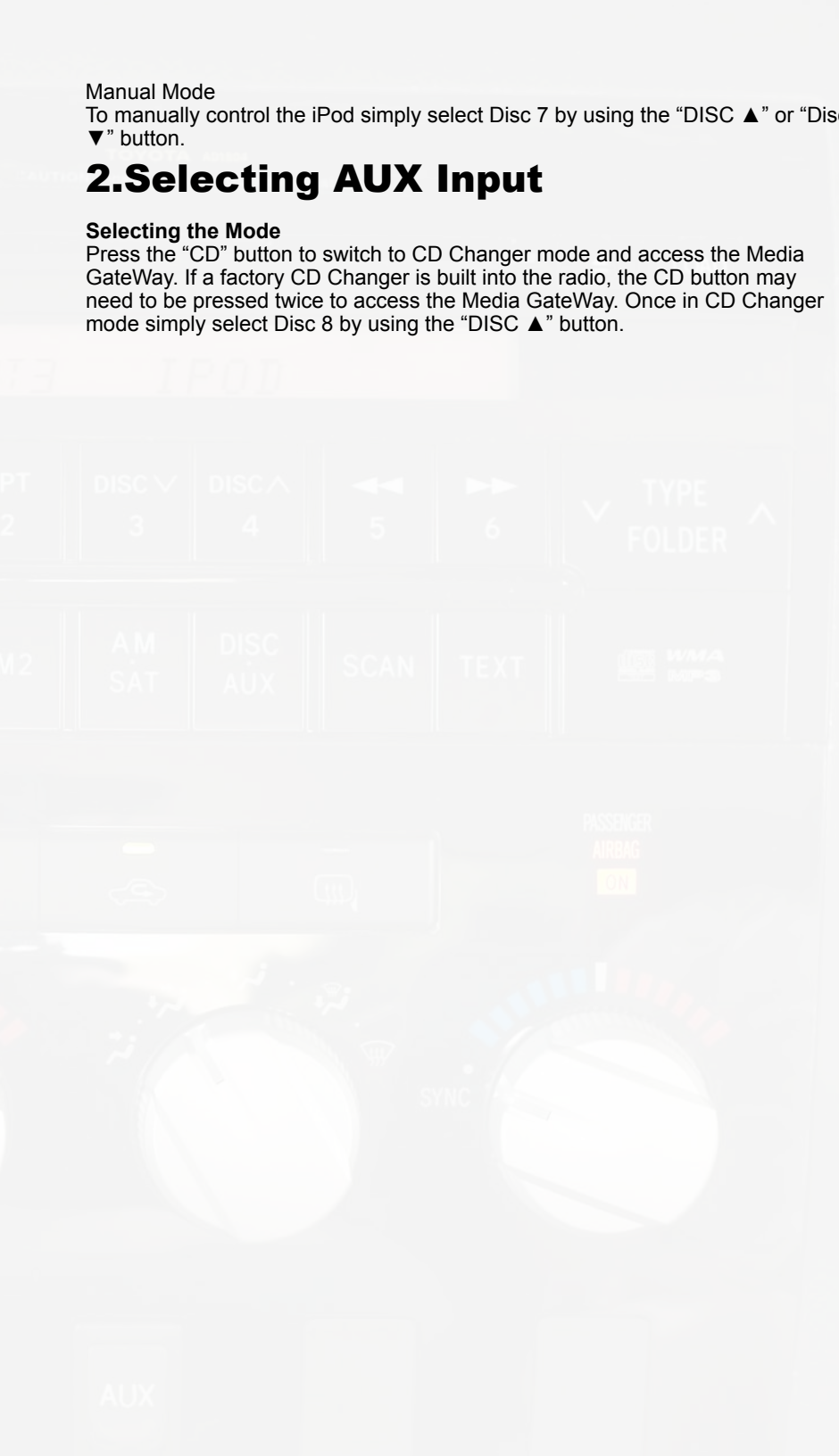
Repeat
Press the repeat button to start/stop the repeat function (track repeat is not supported,only playlist repeat will function)

Changing Display
Press the "TEXT" button to display artist and track information (text is not supported in the Tacoma or Tundra)

Manual Mode
To manually control the iPod simply select Disc 7 by using the “DISC ▲” or “Disc ▼” button.

2.Selecting AUX Input

Selecting the Mode
Press the “CD” button to switch to CD Changer mode and access the Media GateWay. If a factory CD Changer is built into the radio, the CD button may need to be pressed twice to access the Media GateWay. Once in CD Changer mode simply select Disc 8 by using the “DISC ▲” button.



10. Troubleshooting

Symptom	Cause	Remedy
Radio shows iPod not connected	iPod cable is not connected to iPod or Gateway.	Verify the docking cable is connected to the Media Gateway, and the iPod
I can not correctly control the iPod through the radio.	The iPod firmware may be out of date.	Update iPod firmware for free at http://www.apple.com/ipod/download
I have updated my iPod's firmware and still have control issues	Sometimes the iPods needs to be reset	Press and hold the click wheel (center button) and the menu button for 10 seconds. This will reboot the iPod. YOU WILL NOT LOSE MUSIC on the iPod by doing this reset
I don't see iPod artist or song information on the screen	The radio is displaying a different text field	Press the Text / Scan button to see text 9some vehicles do not support text in CD Changer emulation mode)
I can't use my iPod's click wheel to select music	The iPod is in external control mode. This allows text to be displayed on the radio screen	Press the Aux / Sat button and select AUX 2 source to control the iPod manually using the click wheel
The Media Gateway does not recognize the HD Radio tuner (HDRT)	The HD tuner was not properly connected when the PXAMG was first connected and initialized.	HDRT must be connected **before the PXAMG is powered on.** Disconnect the PXAMG from the vehicles harness for 5 minutes. Verify the 8 pin DIN HDRT cable is securely connected at both ends before reconnecting the vehicle harness.
Radio shows "DEV INIT"	Gateway device is initializing	This only occurs the first time the PXAMG is powered on. Wait a few minutes, cycle ignition off and on then enter SAT Mode.
When I listen to the factory AM or FM radio there is only static, no audio.	Factory antenna cable is connected to the HD Radio tuner.	Use Gateway to access HD Radio source. This will provide all AM and FM reception for your vehicle.
No AM or FM reception using the HD Radio source	Factory antenna cable is not connected to the HD Radio tuner (HDRT)	Remove from factory radio, connect into HDRT module. Note* some vehicles need to use the supplied antenna adaptor to make this connection.
HD Radio station quality fluctuates or is lost randomly	The HD Tuner is temporarily losing reception of the Digital HD Radio broadcast signal	This is expected performance. The Digital HD Radio playback will resume in areas of higher broadcast signal strength.

11. Warranty

One Year Limited Warranty

The quality controls used in the manufacture of this product will ensure your satisfaction. This warranty applies only to the original purchaser of this product from an authorized iSimple dealer. This warranty covers any supplied or manufactured parts of this product that, upon inspection by iSimple authorized personnel, is found to have failed in normal use due to defects in material or workmanship. This warranty does not apply to installation expenses. Attempting to service or modify this unit, operating this unit under conditions other than the recommended voltage will render this WARRANTY VOID.

Unless otherwise prescribed by law, iSimple shall not be liable for any personal injury, property damage and or any incidental or consequential damages of any kind (including water damage) resulting from malfunctions, defects, misuse, improper installation or alteration of this product. All parts of this iSimple product are guaranteed for a period of 1 year as follows:

Within the first 12 months from date of purchase, subject to the conditions above, iSimple will repair or replace the product at their discretion, if it is defective in material or workmanship providing it is returned to an Authorized iSimple Dealer, with PROOF OF PURCHASE from an authorized iSimple dealer.

Warning:

This equipment may be reset by unintentional electrostatic discharge during operation. Exposure to direct sunlight or extreme heat may cause damage or malfunction.

FCC Class B Radio Frequency

Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television recption, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorientate or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that of which the receiver is connected.
4. Consult the dealer or an experienced radio / television technical for help.

Notice : The changes or modifications not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.

For Best Performance Have It Professionally Installed.

Notes

Notes

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